

~~CLAIMS~~

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(1) An electroluminescent device having a structure comprising a light-emitting layer composed of at least an organic polymer and disposed between an anode and a cathode, wherein the electroluminescent device comprises a thin-film layer disposed at least at a position between the light-emitting layer and the anode, and between the light-emitting layer and the cathode, the thin-film layer suppressing unnecessary current which does not contribute to light emission.

(2) An electroluminescent device according to Claim 1, wherein the organic polymer performs light emission in the wavelength range of 400 nm to 600 nm.

(3) An electroluminescent device according to Claim 1 or Claim 2, wherein the thin-film layer is disposed between the cathode and the light-emitting layer.

(4) An electroluminescent device according to one of Claims 1, 2, and 3, wherein the thin-film layer is composed of at least one material selected from the group consisting of a fluoride of an oxide of an alkali metal; a fluoride of an oxide of an alkaline earth metal; and a fluoride of an oxide of a group III element in the periodic table.

(5) An electroluminescent device according to Claim 1 or Claim 2, wherein the thin-film layer is disposed between the anode and the light-emitting layer.

(6) An electroluminescent device according to Claim 1 or Claim 2, further comprising a hole injection layer or a buffer layer having electrical conductivity, the thickness thereof being not less than 100 nm, disposed between the light-emitting layer and the anode.

(7) An electroluminescent device according to Claim 1 or Claim 2, wherein the organic polymer comprises polyfluorene or a derivative thereof.

(8) An electroluminescent device according to Claim 1 or Claim 2, wherein the organic polymer comprises poly(p-phenylenevinylene) or a derivative thereof.

(9) An electroluminescent device according to Claim 1 or Claim 2, wherein the degree of

polymerization of the organic polymer is at least two.

(10) An electroluminescent device according to Claim 1 or Claim 2, wherein the light-emitting layer is formed by depositing a plurality of light-emitting material layers.

(11) An electroluminescent device according to Claim 1 or Claim 2, wherein the light-emitting layer composed of the organic polymer is formed by a printing method.

(12) An electroluminescent device according to Claim 11, wherein the printing method is an ink-jet method.

(13) An electroluminescent device having a structure comprising a light-emitting layer composed of at least an organic polymer between an anode and a cathode, wherein the electroluminescent device comprises a layer composed of a fluoride of an alkali metal, an alkaline earth metal, or a group III element in the periodic table, the layer being disposed at least at a position between the light-emitting layer and the anode, and between the light-emitting layer and the cathode.

(14) An electroluminescent device according to Claim 13, wherein the fluoride is lithium fluoride.